| Index of Claim |
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Application No.

10/073,160 Examiner

STROBEL ET AL.

Applicant(s)

Art Unit

Kamal A Saeed

1626

| <b>√</b> | Rejected |
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| =        | Allowed  |

(Through numeral) Cancelled

Restricted

Non-Elected N I Interference

Appeal Α o Objected

| The color of the | Cla    | aim |                 |                      | Date   |                    |     | Cla               | im       |                  | Date   | 9                                   |                                    |     | Cla           | aim |           |                   | [        | Date     | •        |          | _        |          |
|--|--------|-----|-----------------|----------------------|--|--------------------|-----|-------------------|----------|------------------|--|-------------------------------------|------------------------------------|-----|---------------|-----|-----------|-------------------|----------|----------|----------|----------|----------|----------|
| 1   2   1   101   101   102   102   102   102   103   104   104   105   106   106   106   106   106   107  |        | m   | 09              |                      |  |                    |     |                   | <u>m</u> |                  |  |                                     |                                    |     |               |     |           |                   |          |          |          |          | $\neg$   |          |
| 1   2   1   101   101   102   102   102   102   103   104   104   105   106   106   106   106   106   107  | 필      | Ë   | 3               | ]                    |  |                    |     | 폡                 | Ë        |                  |  | {                                   |                                    |     | lal           | iğ  |           |                   |          |          |          | l        |          |          |
| 1  | ΙĪ     | Ę   | 04              | 1                    |  |                    |     | i <del>I</del>    | ا جَ     | f l              |  |                                     |                                    |     | 這             | ,ić |           | 1                 |          |          |          | ĺ        |          |          |
| 102  |        |     | Ļ               |                      | $\perp$  |                    |     |                   |          |                  |  |                                     | _                                  |     |               |     |           |                   |          |          |          |          |          |          |
| S3   |        | -   | 0               |                      | $\perp \perp \perp$                              |                    |     |                   | 51       |                  | <u> </u>   |                                     |                                    |     |               |     |           | 1                 |          |          |          |          |          |          |
| 4  |        |     | 1               |                      |  |                    |     |                   |          |                  |  |                                     |                                    |     |               | 102 |           |                   |          |          |          | $\perp$  |          |          |
| 5  |        | +   | Ш               |                      | _ _ _  |                    |     |                   |          |                  |  |                                     |                                    |     |               |     |           |                   |          | Щ        |          | $\perp$  |          |          |
| 6   O  |        |     | 1               |                      |  |                    |     |                   | 54       | $\perp \perp$    |  |                                     |                                    |     |               | 104 |           | <u> </u>          |          |          | _        | _        | _        |          |
| 10   |        | _   | ľ               | $\vdash$             |  | _ _ _              |     |                   |          | $\perp$          |  | $\Box$                              |                                    |     |               | 105 |           |                   |          |          |          |          | _1       | _        |
| 8  |        |     | _               |                      | -  |                    |     |                   | 56       | $\perp$          |  |                                     |                                    |     |               | 106 |           | _                 |          |          | _        |          | _        |          |
| 9  |        |     | ע               | $\vdash$             | +  |                    |     |                   | 57       |                  | $\vdash$   |                                     |                                    |     |               | 107 |           | -                 |          |          |          | _        | _        |          |
| 10   |        |     | *               |                      | +  | +                  |     |                   | 58       |                  | $\sqcup \sqcup$                                  | -1-1                                | _                                  |     |               |     |           | -                 |          |          |          | _        | 4        |          |
| 11       12       62       111       112       113       113       113       113       114       115       114       115       114       114       115       115       116       114       115       116       117       116       117       116       116       116       117       117       118       118       118       119       117       117       118       119       1119  |        |     | Н               |                      | -  | +                  |     |                   | 59       |                  |  |                                     |                                    |     |               |     |           | $\perp$           |          | $\Box$   |          | _        | _        |          |
| 12   |        |     | Н               |                      |  | $\bot$             |     |                   |          |                  | <del>                                     </del> |                                     | _                                  |     |               | 110 | -         |                   |          | _        | _        | _        | 4        |          |
| 13   |        |     | $\dashv$        |                      | +++  | +                  |     |                   |          |                  | $\vdash \vdash$                                  |                                     | $\dashv$                           |     |               |     |           | $\perp$           |          |          | _        | $\dashv$ | _        |          |
| 14   |        |     | $\dashv$        | $\vdash$             | +  |                    |     |                   | 02       |                  | <del>                                     </del> |                                     | $\perp$                            |     |               | 112 | _         | +                 |          |          |          | .        | $\dashv$ |          |
| 15   |        |     | $\vdash$        |                      |  | +                  |     |                   |          | ++               | +  | $\vdash$                            |                                    |     |               |     |           | 44                |          | $\Box$   |          | _        | $\perp$  |          |
| 16   |        |     | $\vdash \vdash$ | $\vdash$             |  |                    |     |                   | 04       | +                |  | $\vdash\vdash$                      | +                                  |     |               | 114 | _         | 1                 |          | _        | _        |          | 4        |          |
| 17   |        |     | H               |                      | +++  |                    |     |                   |          |                  | $\vdash\vdash$                                   | $\dashv$                            |                                    |     |               | 115 |           | -                 |          | -        | $\dashv$ | $\dashv$ | $\dashv$ |          |
| 18   |        |     | $\vdash$        |                      | +  |                    |     |                   |          | ++               |  | $\rightarrow$                       | +                                  |     |               |     |           | $\perp$           |          |          | _        |          | $\dashv$ | _        |
| 19   1   20   70   120   120   121   122   122   123   123   123   123   124   125   125   125   125   126   127   127   127   127   127   127   127   127   127   127   127   127   127   128   128   128   128   129   130   130   131   131   131   132   133   133   133   133   133   133   133   133   133   133   133   134   134   135   135   135   136   136   137   137   138   138   139   139   140   141 |        |     | Н               | <del>-   -  </del> - | +  | ++-                |     |                   |          |                  | $\vdash$   | $\rightarrow$                       | +                                  |     |               | 117 | -         | +                 | $\dashv$ |          | _        | _        | 4        |          |
| 120  |        |     | Н               |                      |  | +                  |     |                   | 68       |                  |  |                                     | $\dashv$                           |     |               | 118 |           | +                 | -        |          | _        |          | _        | _        |
| 21   Ø   |        |     | 1               | +                    |  |                    |     |                   |          | -                | $\vdash \vdash$                                  | $\rightarrow$                       |                                    |     |               | 119 |           | +                 |          |          | _        |          | _        |          |
| 122  |        | 20  |                 |                      |  | ++                 |     |                   | 70       | ++               |  | +                                   |                                    |     |               | 120 |           | $\sqcup$          |          | _        | _        | 4        |          |          |
| 23 P     73     123     124       24     74     124     125       25     75     125     126       26     76     126     127       28     78     128     128       29     79     129     130       30     80     130     131       31     81     131     131       32     82     132     132       33     83     133     133       34     84     134     134       35     85     135     135       36     86     136     137       38     88     139     139       40     90     140     140       41     91     140     141       42     92     142     142       43     93     143     144       45     96     146     147       46     96     146     147       47     97     147     148       49     99     148 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>++</td> <td><del>                                     </del></td> <td><math>\dashv</math></td> <td></td> <td></td> <td></td> <td>121</td> <td></td> <td><math>\perp</math></td> <td><math>\dashv</math></td> <td>_</td> <td>_</td> <td>_</td> <td>_ </td> <td>_</td>   |        |     |                 |                      |  |                    |     |                   |          | ++               | <del>                                     </del> | $\dashv$                            |                                    |     |               | 121 |           | $\perp$           | $\dashv$ | _        | _        | _        | _        | _        |
| 24       74       124       125       125       125       126       126       126       126       126       126       127       127       127       127       127       128       128       128       128       128       128       128       129       129       130       130       131       131       131       131       131       132       132       133       133       133       133       133       133       133       134       134       134       134       134       134       135       135       135       136       136       133       133       134       134       134       134       134       134       135       135       135       136       136       136       137       137       137       137       137       137       137       137       137       138       139       144       140       140       141       141       141       141       142       143       144       144       144       144       144       144       144       144       144       144  |        |     | 0               | -                    |  | ++                 |     |                   | 72       |                  | <u> </u>   | $\rightarrow \downarrow \downarrow$ |                                    | ₩.  |               |     |           |                   | -        | -        | -        | _        | 4        | ᅴ        |
| 25       75       125       126       126       126       127       127       127       127       128       128       128       128       128       129       129       129       130       130       130       131       131       131       131       132       132       132       132       132       132       133       133       134       134       134       135       135       135       136       136       136       136       137       137       137       137       137       138       138       138       139       140       141       141       141       141       142       142       142       142       142       143       144       144       144       144       145       146       146       147       147       148       149  |        | 23  | r               | ++                   |  |                    | 1   | -                 | 74       |                  |  |                                     |                                    |     |               | 123 |           | +                 | _        | -        |          | 4        | $\dashv$ | -4       |
| 26       76       126         27       77       127         28       78       128         29       79       129         30       80       130         31       81       131         32       82       132         33       83       133         34       84       134         35       85       135         36       86       136         37       87       137         38       88       138         39       90       140         41       91       141         42       92       142         43       93       143         44       94       144         45       95       145         46       96       146         47       97       147         48       98       148         49       99       149  |        |     |                 |                      |  |                    |     | $\longrightarrow$ | 75       |                  | <del></del>                                      | -                                   | +                                  | -   |               | 124 |           | +                 | -        | -        |          | +        | 4        | 4        |
| 27       28       78       128       128       128       129       129       129       129       130       130       130       130       131       131       131       131       131       131       132       132       132       133       133       133       133       133       133       133       133       133       133       133       134       134       134       134       135       135       135       135       135       135       136       136       136       136       136       137       137       137       137       137       137       138       138       138       138       139       140       140       141       141       141       141       141       141       141       141       141       142       142       143       144       144       144       144       144       144       144       144       145       146       147       146       147       147       148       148       148       148       148       148       148       148       149   |        | 20  |                 |                      | +++  | +                  |     | -                 |          |                  | <del>    </del>                                  | $\dashv$                            | +                                  | -   |               | 125 | _         |                   | $\dashv$ | -        | _        | _        | 4        | _        |
| 28     78     128       29     79     129       30     80     130       31     81     131       32     82     132       33     83     133       34     84     134       35     85     135       36     86     136       37     87     137       38     88     138       39     89     139       40     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149  |        | 27  |                 | +                    |  | +                  |     |                   | 70       |                  | $\vdash$   |                                     | +                                  | -   |               | 126 |           | +                 | $\dashv$ | _        | $\dashv$ |          | 4        | _        |
| 29     79     129       30     80     130       31     81     131       32     82     132       33     83     133       34     84     134       35     85     135       36     86     136       37     87     137       38     88     138       39     89     139       40     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     96     145       46     96     146       47     97     147       48     98     148       49     99     149  |        |     | $\dashv$        | +                    | <del>-   </del>                                  |                    | 54  |                   |          |                  | $\vdash$   |                                     |                                    | ŀ   |               | 127 | -         | +                 | $\dashv$ | $\dashv$ |          | $\dashv$ | 4        |          |
| 30   |        | 20  |                 |                      | +  |                    |     | <del></del>       | 70       |                  | $\vdash$   |                                     | $-\!\!\!\!+\!\!\!\!\!+\!\!\!\!\!-$ |     |               | 120 | +         | $\vdash$          |          | $\dashv$ | -        | _        | _        | ႕        |
| 31     81     131     132       32     82     132     133       33     83     133     133       34     84     134     135       35     86     136     136       37     87     137     137       38     88     138     138       39     99     139     139       40     90     140     41       41     91     141     141       42     92     142     142       43     93     143     144       44     94     144     144       45     95     145     145       46     96     146     147       48     98     148     148       49     99     149     149   |        |     | -               |                      | +++  |                    |     |                   | 79       | <del></del>      | $\square$  |                                     | +                                  | -   |               | 129 |           |                   | 4        | 4        | $\dashv$ | _        | -        | -4       |
| 32     82     132     133       33     133     133     134       34     84     134     134       35     85     135     135       36     86     136     137       38     88     138     138       39     89     139     139       40     90     140     41       41     91     141     42       43     93     142     44       44     94     144     144       45     95     145     46       47     97     147     48       49     99     148     148       49     99     149     149  |        |     |                 |                      | <del>                                     </del> | +                  |     |                   |          |                  |  |                                     |                                    | -   |               |     | _         | +                 | $\dashv$ |          | $\dashv$ |          | +        | 4        |
| 33     83     133     134       34     84     134     134       35     85     135     135       36     86     136     137       38     88     138     138       39     89     139     139       40     90     140     141       41     91     141     141       42     92     142     142       43     93     143     143       44     94     144     144       45     95     145     146       47     97     147     148       49     99     149     149  | -      | 32  |                 | ++                   | +++  |                    | -   |                   | 01       |                  |  | +                                   |                                    | -   |               | 131 | +         |                   |          | _        |          | -        | $\dashv$ | _        |
| 34     84     134       35     85     135       36     86     136       37     87     137       38     88     138       39     89     139       40     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149  |        |     |                 |                      | <del>-   -  </del> -                             | +                  | -   |                   |          |                  | <del></del>                                      | -                                   |                                    | - 1 |               | 132 | -         |                   | _        | -        | -+       | $\dashv$ | +        |          |
| 35     85     135       36     86     136       37     87     137       38     88     138       39     89     139       40     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149  |        | 34  |                 |                      | +++  |                    |     |                   |          |                  |  |                                     | $\dashv$                           | -   |               | 133 | $-\vdash$ |                   | -        | $\dashv$ |          | -        | +        |          |
| 36   86     37   87     38   88     39   89     40   90     41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   149   |        | 35  |                 | <del></del>          | +++  |                    | H   |                   | 85       | 1                | <del>                                     </del> | -+                                  | $\dashv$                           | -   |               | 134 | -         | ┿┵                | $\dashv$ | -+       |          |          | +        | -        |
| 37     887     137       38     88     138       39     89     139       40     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149   |        |     |                 | ++                   |  | $\dashv$           | - 1 |                   |          |                  | $\vdash$   |                                     | +                                  | -   |               | 136 |           | 1                 | +        | -+       | $\dashv$ | +        | +        | $\dashv$ |
| 38     88     138       39     89     139       40     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149  |        | 37  | $\dashv$        |                      |  | +                  | -   |                   |          |                  | <del>                                     </del> | +                                   | +                                  | -   |               | 130 |           | +-                |          | +        | -+       | $\dashv$ | +        | ᅱ        |
| 39     89     139       40     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149  |        | 38  |                 | ++                   | <del>+- - </del>                                 | 1 1 1              |     |                   |          |                  |  |                                     | +                                  | -   |               | 137 | +         | +                 |          | -        |          | +        | +        |          |
| 40     90     140       41     91     141       42     92     142       43     93     143       44     94     144       45     95     145       46     96     146       47     97     147       48     98     148       49     99     149  |        | 39  |                 | ++                   | +++  | <del></del>        | -   |                   |          |                  | $\vdash$   | -+-+                                | +                                  | 1   |               | 130 |           | $\vdash$          |          | -+       | -+       | -        | +        | 4        |
| 41   91     42   92     43   93     44   94     45   95     46   96     47   97     48   98     49   99     141   142     143   143     144   144     145   145     146   146     147   147     148   148     149   149  |        |     | $\vdash$        | +                    | +++  | +                  | -   |                   | 90       |                  | $\vdash\vdash\vdash$                             |                                     | $\dashv\dashv$                     | H   |               | 140 | +         | +                 |          | $\dashv$ | +        | +        | +        | $\dashv$ |
| 42   92   142     43   93   143     44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  |        | _   |                 |                      | <del>   - - </del>                               | ++-                | ##  |                   |          | <del>    -</del> | $\vdash \vdash \vdash$                           | +-                                  | $\dashv$                           | -   | +             |     | +         | $\vdash$          | -}       | $\dashv$ |          |          | +        | $\dashv$ |
| 43   93     44   94     45   95     46   96     47   97     48   98     49   99  |        |     | $\dashv$        | ++                   | <del>         </del>                             |                    |     |                   |          | <del>   -</del>  | $\vdash$   | <del></del>                         | +                                  |     |               | 1/2 |           | +                 | $\dashv$ | $\dashv$ | -+       | +        | -        | $\dashv$ |
| 44   94   144     45   95   145     46   96   146     47   97   147     48   98   148     49   99   149  | -      | 43  |                 | ++                   | +++  | <del> -  </del>    |     | -                 |          | +-               | $\vdash$   | ++                                  | +-                                 | -   |               | 142 | +-        | +-+               | $\dashv$ | -+       | $\dashv$ | +        | +        | $\dashv$ |
| 45   95     46   96     47   97     48   98     49   99  |        |     | $\dashv$        |                      | <del>                                     </del> | +++                | -   | $\rightarrow$     | 94       |                  | $\vdash$   | +                                   | +                                  |     | $\dashv$      |     | +         | + +               |          | $\dashv$ | -+       | +        | +        | $\dashv$ |
| 46   96     47   97     48   98     49   148   |        |     | $\dashv$        | - -                  | +++  | ++                 | -   | $\rightarrow$     |          | <del>   </del>   | $\vdash \vdash \vdash$                           | ++                                  | +                                  | ŀ   | $\dashv$      | 145 | +         | $\vdash$          | $\dashv$ | -        | $\dashv$ | +        | +        | $\dashv$ |
| 47   97     48   98     49   99  |        |     | $\dashv$        | +                    | +++  | +H                 | ŀ   |                   | 96       |                  | <del>                                     </del> | <del></del>  -                      | +                                  | -   |               | 146 | +         | $\vdash$          | -+       | +        | -+       | +        | +        | ᅴ        |
| 48 98 148 49 99 149 149 149 149 149 149 149 149 1  |        | 47  | $\dashv$        | ++                   | +++  |                    | -   | $\dashv$          |          |                  |  | +-+                                 | +                                  |     | $\overline{}$ | 147 | +         | +                 | $\dashv$ | +        | +        | +        | +        | ᅱ        |
| 49 99 149  |        |     | - 1             |                      | <del> </del>                                     | ++-                |     |                   |          | <del>   </del>   | $\vdash$   |                                     | $\dashv \dashv$                    |     | +             |     |           | $\vdash$          | $\dashv$ | +        | +        |          | +        | $\dashv$ |
|  |        | 49  | $\dashv$        | <del>     </del>     |  | <del>-   -  </del> |     |                   |          |                  |  | ++                                  | +                                  | H   | $\dashv$      |     |           | +                 | $\dashv$ | +        | +        | +        | +        | $\dashv$ |
|  | $\neg$ | 50  |                 |                      | 7-1-1  | <del> </del>       |     | $\overline{}$     | 100      |                  |  | $\dashv$                            | $\dashv \dashv$                    |     |               | 150 | +-        | $\dagger \dagger$ | $\dashv$ |          | -+       | +        | +        | $\dashv$ |